OSTRIKOV, M.S.; DUKHNINA, T.P.; DLODAVETS, I.N.; SINITSYNA, G.M.

Capillary contraction of drying condensation structures of polyvinylformal. Report No.2: Effect of the initial polymer concentration. Koll. zhur. 27 no.1:77-81 Ja-F '65.

(MIRA 18:3)

1. Rostovskiy universitet, kafedra fizicheskoy i kolloidnoy khimii i Institut fizicheskoy khimii AN SSSR, Moskva.

1. DUKHNOV, V.K.; TAPILIN, A.S.

2. USSR (600)

4. Acorns

7. Drill for sowing acorns in clumps, V.K. Dukhnov, A.S. Tapilin, Les i step' 5 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Unclassified.

DUKHNOV, V.K.

Experience in bringing eroded land under cultivation. Zemledelie 8 no.12:46-51 D '60. (MIRA 13:11)

1. Zaveduyushchiy Kletskim agrolesomeliorativnym opornym punktom.
(Soil conservation)

NEFEDOV, A.A.; EKLYAKOV, A.I.; YAROSHENKO, Yu.N.; DUKHNOVA, Z.I.

High-alloy, cold rolled, electrical steel with low anisotropy.
Stal' 22 no.4:349-351 Ap '62. (MIRA 15:5)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii i Novosibirskiy metallurgicheskiy zavod.
(Sheet steel) (Anisotropy)

NEFEDOV, A.A., inzh.; BELYAKOV, A.I., inzh.; YAROSHENKO, Yu.N., inzh.; DUKHNOVA, Z.I., inzh.

Cold-rolled 1 mm. thick electrical steel. Elektrichestvo no.1:75-77 Ja '63. (MIRA 16:2)
(Steel—Electric properties)

NEFEDOV, A.A., inzh.; BELYAKOV, A.I., inzh.; YAROSHENKO, Yu.N., inzh.; DUKHNOVA, Z.I., inzh.

Cold-rolled 0.35 mm thick generator steel. Elektrichestvo no.8: 70-72 Ag '63. (MIRA 16:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Nefedov). 2. Novosibirskiy metallurgicheskiy zavod (for all except Nefedov).

TITLE: New transparent garnet

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9, 1965, 1617-1619

TOPIC TAGS: garnet, gallium compound, calcium compound, niobium compound, CRYSTAL OPTIC PROPERTY, X RAY DIFFRACTION ANALYSIS

ABSTRACT: In order to produce optically transparent compounds, an attempt was made to synthesize the compound $Ca_3Ga_{3.5}Nb_{1.5}O_{12}$ and solid solutions $Ca_3Fe_{3-x}Ga_{3.5-x}Nb_{1.5}$ where $x \leq 0.5$). The samples were prepared by [illegible] mortar and [illegible] were

L 14586-66

ACC NR: AP5025803

In the compound $Ga_3Ga_{1.5}Nb_{1.5}O_{12}$, the niobium ions occupy only octahedral positions. A 100-μ thick polycrystalline plate of this compound is transparent in the 0.8-10μ range. Orig. art. has: 1 figure, 1 table.

SUB CODE: 07 / 07 SUBM DATE: 03May65/ ORIG REF: 003 OTH REF: 005

Card 2/2

DUKHNOVSKIY, P.O.

One point of view concerning the origin of periodic comets. Biul.VAGO no.11:9-14 '52. (MLRA 6:6)

1. Kievskaya astronomicheskaya observatoriya. (Comets)

DUKHNOVSKIY, P.G.

KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Observation of minor planets made at the Kiev Astronomical Observatory. Publ.Kiev.astron.obser. no.5:169-192 '53. (MLRA 7:6)
(Planets, Minor)

DUKHNOVSKIY, P.G.

KONOPLEVA, V.P., starshiy nauchnyy sotrudnik; DUKHNOVSKIY, P.G., starshiy nauchnyy sotrudnik.

Observations of minor planets at the Kiev Astronomical Observatory of the Kiev State University. Astron. tsir. no.136:6-7 Mr '53. (MLRA 6:6)

1. Astronomicheskaya Observatoriya Kievskogo Gosudarstvennogo Universiteta. (Planets, Minor)

DUKHNOVSKIY, P. G.

Orbiy Elements in the Assumption of Ejections
Publikatsii Kievsk. astronom. observ. No. 6, pp 67-90, 1954.

S. K. Vsekhsvyatskiy's theory of the origin of the comets as results of ejection from Jupiter's surface could not be confirmed by celestial mechanics. Attempt is made to solve the two-body problem, considering gravitational fields of the sun and Jupiter only. The escape velocity from Jupiter is found to be of 58.0 to 61.3 km/sec leading to possible heliocentric elliptic or hyperbolic orbits. Nevertheless the possibility of ejection theory is rejected. (RZhAstr, No. 11, 1955)

SO: Sum No 812, 6 Feb 1956

KOMOPLEVA, P.V.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHIMKULOVA, V.A.

Observations of minor planets and comets at the astronomical observatory of Kiev State University in 1951. Publ.Kiev.astron. obser.no.6:91-111 '54. (MLRA 9:4)
(Planets, Minor) (Comets)

DUKHNOVSKIY, P.G.

Meteoritic hypothesis of the origin of comets. Publ. Kiev. astron. obser. no.7:13-29 '56. (MLRA 9:12)

(Comets) (Meteoritic hypothesis)

DUKHNOVSKIY, P.G.

Origin of comets by ejection from satellites. Publ. Kiev. astron. obser. no.7:45-51 '56. (MLRA 9:12)

(Comets)

DUKHNOVSKIY, P.G.

KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; SAMDAKOVA, Ye.V.; KHIMKULOVA, M.A.

Observations of minor planets at the Astronomical Observatory of Kiev State University. Publ. Kiev. astron. obser. no.7: 105-111 '56. (MLRA 9:12)

(Planets, Minor)

AUTHOR: Dukhnovskiy, P. G.

TITLE: Some peculiarities in the motions of comets. (O nekotorykh osobennostyakh dvizheniya komet).

PERIODICAL: Astronomicheskii Zhurnal, 1957, Vol.34, No.1, pp. 75-85 (USSR).

ABSTRACT: The changes in cometary orbits, caused by planetary perturbations, are considered. This problem is solved approximately by limited circular problem of three points.

A formula for calculating the period of rotation of the line of apsides and formulae for the amplitude of the variation of inclination have been derived.

Calculations according to these formulae, in the case of perturbations from Jupiter, for cometary orbits with semi-major axes within the limits 10 - 100 AU and perihelion distances from 6 to 10 AU, show that the amplitudes of variations of inclinations are small and reach 2° - 3° and that the periods of rotation of the line of apsides are measured by tens of thousands, hundreds of thousands and millions of years. The variation of the inclination angle can have no cosmological significance. The rotation of the line of apsides causes a periodic variation of the smallest distances at which comets can approach a planetary orbit.

These distances change within the limits q-R to p-R, where q, p are the perihelion distance and the parameter of the cometary orbit, R - the radius of the circular orbit of the planet. As a result of the variations of these distances,

Some peculiarities in the motions of comets. (Cont.)

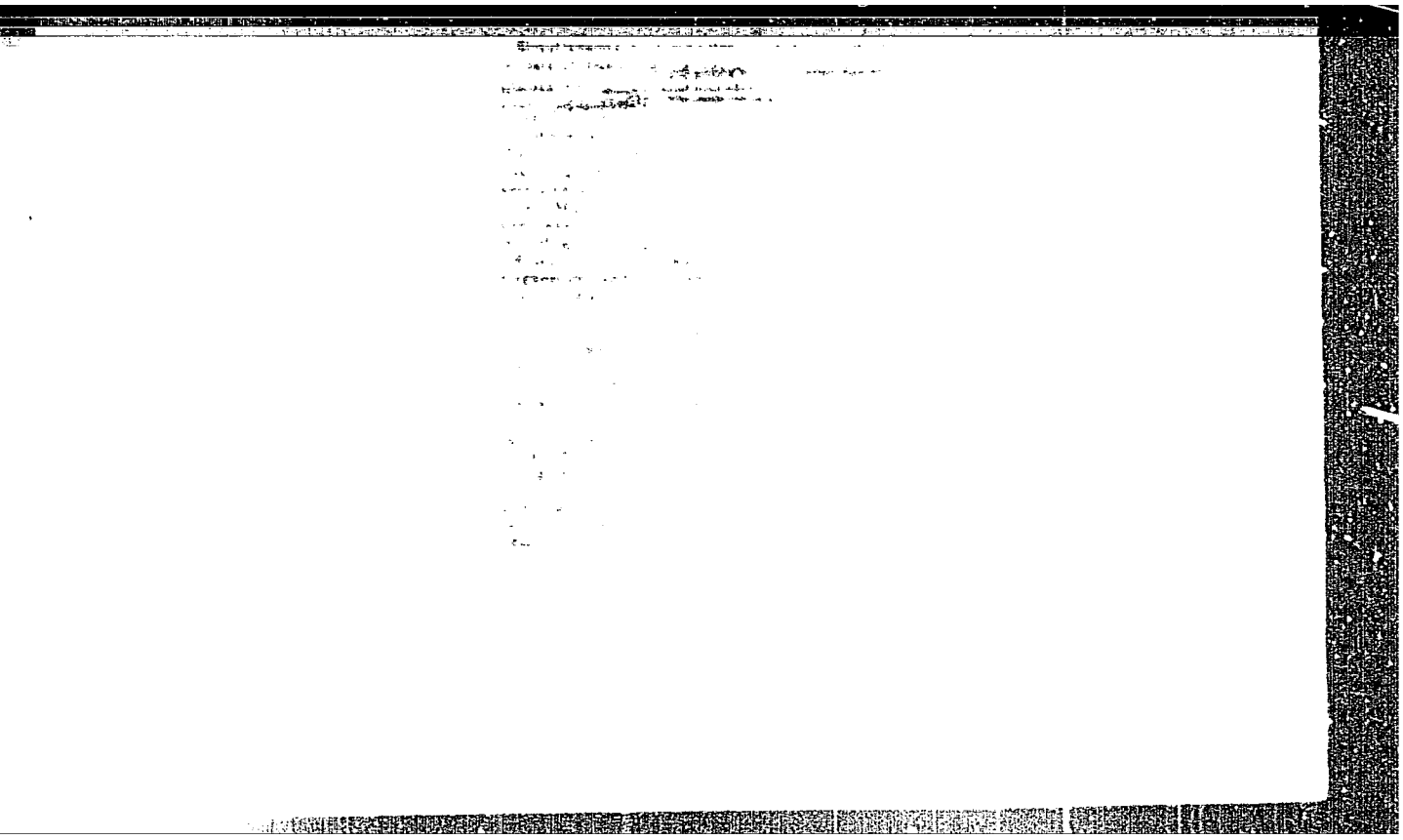
comets can evidently sometimes approach close to planets and be transformed to short-period comets. 7 figures, 6 tables. Five references, four of which are Russian.

Kursk State Pedagogic Institute. Recd. July 9, 1956.

[redacted] Turek).

In memory of Professor S.D. Chernyi. Astron. tsir. no.176:23 Ja '57. (MLRA 10:6)

(Chernyi, Sergei Danilovich, 1874-1956)



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041151(

LIPKES, MI.I.; GAYNTSEV, A.F.; DUKHON, P.Yu.; ANAN'YEV, A.N.

Industrial tests of chlorolignin a new viscosity-reducing reagent for drilling muds. Trudy VNIING no.2:20-26 '63. (MIRA 17:5)

DUKHON, Ye.; MIRISLAI, Ye.

Intravenous administration of novocaine in Meniere's disease and the theoretical basis of this method. Vest. otorin. no.5:10-13 '61. (MIRA 14:12)

1. Iz otorinolaringologicheskoy kliniki (zav. Ye. Dukhon) Pechskogo meditsinskogo instituta, Vengriya)

(NOVOCAINE) (MENIERE'S DISEASE)

DUKHOV, Yu., inzhener-podpolkovnik, dotsent, kandidat tekhnicheskikh [redacted].

The first Soviet aviation radio station. Vest.Vosd.Fl.34 no.10: 63-67 O '51. (MLRA 8:3)
(Aeronautical radio stations)

DUKHONIN, A.P.

AID P - 538

Subject : USSR/Engineering

Card 1/1 Pub. 78. - 4/29

Authors : Dukhonin, A. P. and Tolstykh, I. F.

Title : The criterion for effectiveness of bit work based on its wear

Periodical : Neft. Khoz., v. 32, #7, 16-19, Jl 1954

Abstract : Analysis of bit work related to the speed and depth of the penetration under constant conditions. Maximum effective work is defined as a function of speed times depth and is presented in two charts plotted on the basis of the experimental data.

Institution: None

Submitted : No date

DUKHOVICH, I. S.

Progressive track foreman. Put' i put. khoz. 6 no.8:8 '62.
(MIRA 15:10)

(Railroads—Employees)

KOLOMIYTSOV, Yu.V.; DUKHOPEL, I.I.

Contactless interference technique for checking spherical lens surfaces. Opt.i spektr.1 no.1:94-101 My '56. (MLRA 9:11)
(Lenses--Measurement)

DUKHOPEL, I.I.

Effect of the deformation of light waves entering interferometers on the precision of surface-shape control. Opt.-mekh.prom. [25] no.3:27-33 Mr '58. (MIRA 11:9)
(Interferometry)

LEVIN, B.M.; DUKHOPEL, I.I.

Interferometers for checking planes and plane-parallel plates.
Opt.-mekh.prom. 25 no.6:13-15 Je '58. (MIRA 11:10)
(Interferometer)

DUKHOPSL, I. I.: Master Tech Sci (diss) -- "Investigation of certain sources of error in interference methods of controlling the shape and cleanness of machined surfaces". Moscow, 1959. 12 pp (State Order of Lenin Optical Inst im S. I. Vavilov), 125 copies (KL, No 13, 1959, 105)

DUKHOPEL, I.I.

Investigating the effect of the aperture of a microinterferometer on the precision of measuring the height of triangular wrinkles. Izm. tekh. no.7:3-6 Jl '61. (MIRA 14:6)
(Interferometry)

KOLOMIYTSOV, Yuriy Viktorovich; DUKHOPEL, Ivan Ivanovich; TMYUSHIN, Aleksey Ivanovich; ARTEM'YEV, Igor' Vasil'yevich; YAKUSHEV, A.I., doktor tekhn. nauk, prof., retsenzent; GORDON, G.G., inzh., red.

[Optical instruments for measuring linear and angular dimensions in the manufacture of machinery; a reference book] Opticheskie pribory dlia izmereniia lineinykh i uglovykh velichin v mashinostroenii; spravochnaia kniga. Moskva, Mashinostroenie, 1964. 254 p. (MIRA 17:10)

L 27728-66 FBD/EWT(l)/EWT(m)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WE/WG

ACC NR: [illegible] SOURCE CODE UR/0051/66/020/005/0853/0858

AUTHOR: Dukhopel', I. I.; Simonenko, T. V.; Urnis, I. Ya.

ORG: none

TITLE: Investigating the peak coherence of ruby laser emission

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 853-858

TOPIC TAGS: laser emission, ruby laser, light interference, laser emission coherence

ABSTRACT: The authors study the integral coherence of laser emission together with emission coherence at isolated peaks. The specimens used were 6 cylindrical ruby crystals with diameters of 6.5 and 13 mm measuring 65 and 80 mm in length respectively with dielectric coatings on the end or placed in a resonator with plane mirrors. The specimens were oriented at 90 degrees to the optical axis and 4 of the crystals had polished lateral surfaces. The other 2 cylinders were frosted on the sides--one completely and the other partially. Radiation from the specimen was sent through a diaphragm with 2 narrow vertical slits and a section of the interference field formed was then cut off by a horizontal slit and photographed. It was found that interference patterns are formed at all peaks regardless of crystal quality, the distance between vertical slits in the diaphragm or the level of pumping energy. The pattern contrast is extremely high for most of the peaks. Most of the interference patterns

UDC: 621.375.9:535

Card 1/2

L 27725-66
ACC NR: AP6015429

relative shift in the interference bands at the individual
is usually lower at the beginning
increasing
extremely
reaching half the width of the
wavelength during
the

ACC NR: AP6021465 SOURCE CODE: UR/0413/66/000/011/0084/0085

INVENTOR: Dukhopel, I. I.

ORG: None

TITLE: A method for checking convex elliptical and hyperbolic surfaces of revolution. Class 42, No. 182365

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 84-85

TOPIC TAGS: quality control, body of revolution, optic element, interferometer

ABSTRACT: This Author's Certificate introduces a method for checking convex elliptical and hyperbolic surfaces of revolution of arbitrary aperture ratio. A non-aberrational system is produced by placing the optical component to be checked, a cell with immersion fluid and an auxiliary lens in the working arm of a Twyman interferometer and using the interference pattern to check the accuracy of the surface shape.

SUB CODE: 13/ SUBM DATE: 04Jan65

Card 1/1 UDC: 535.853.4

Dukhoslavova, I.

CZECHOSLOVAKIA/Cultivated Plants - Medicinal and Essential - Oil Bearing, Poisonous. L-8

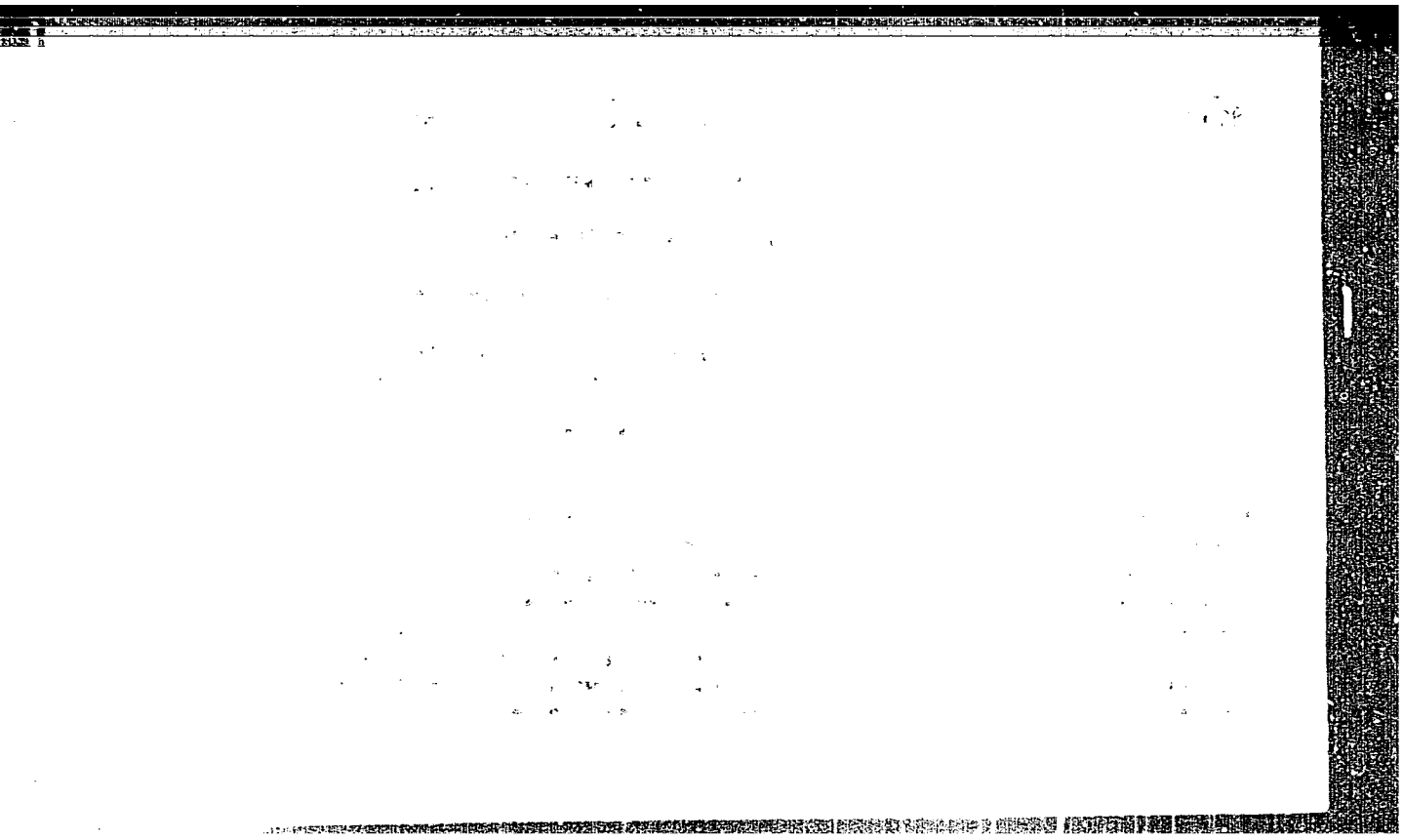
Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69433

Author : Dukhoslavova, I., Zhatetskiy, F.
Inst :
Title : Datura arborea on Czechoslovakian Plantations.

Orig Pub : Prirodoved. sbor. Ostravskeho Kraje, 1956, 17, No 2, 293

Abst : A brief description of appearance and information about its prevalence under cultivated conditions in Czechoslovakia. The species blooms only in the second or third year, is reproduced by shoots or cuttings, since it forms no fruits. Data are given on its alkaloid content.

Card 1/1



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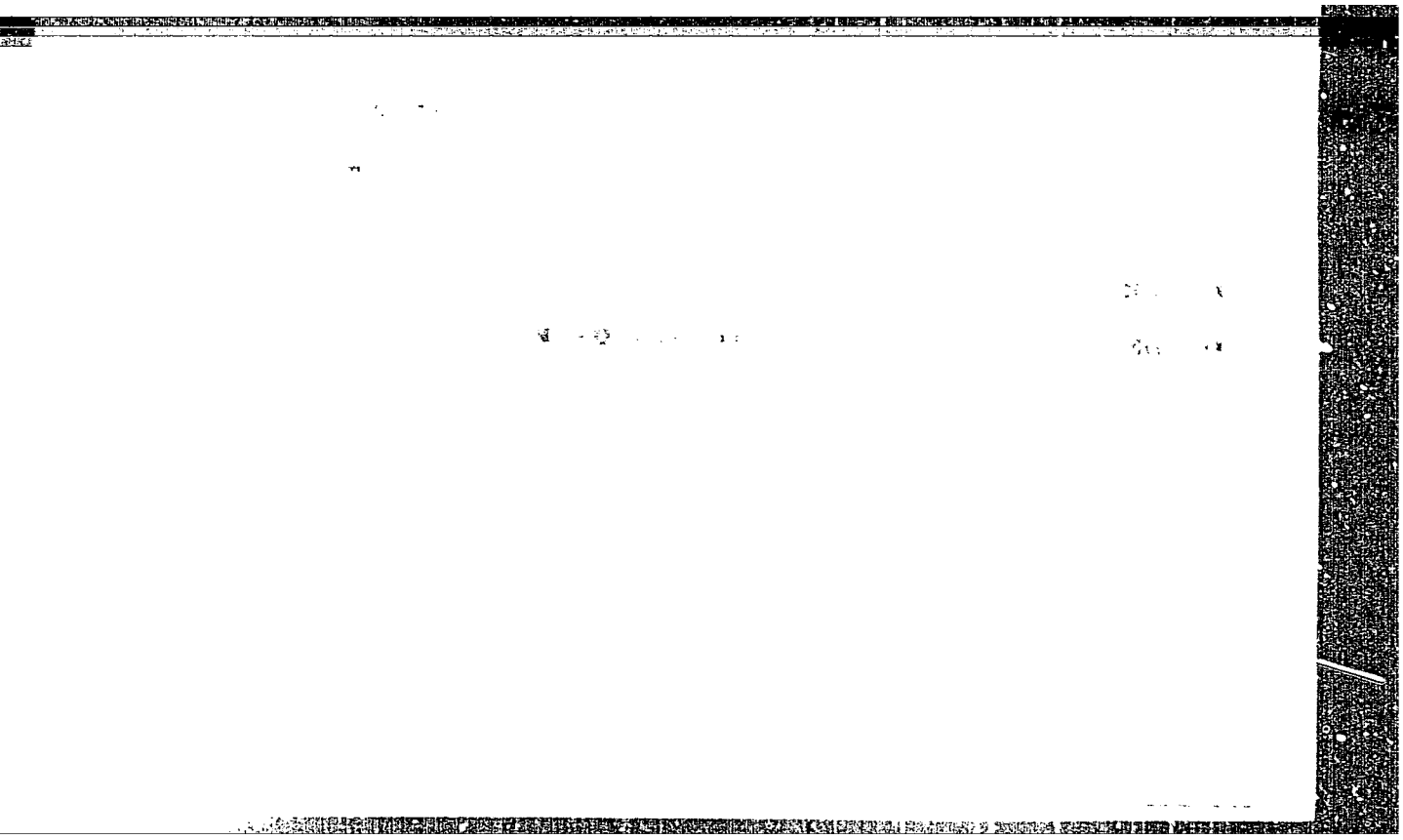

VYSOTSKIY, B.N., insh.; DUKHOTA, A.M., insh.

Obtaining aluminum castings in cast aluminum chill molds.
Mashinostroenie no.5:29-31 S-O '64 (MIRA 18:2)

BORODYANSKIY, L. Ye., insh.; VYSOTSKIY, B.N., insh.; DUKHOTA, A.M., insh.

Replacing stannuous bronze for the pistons of excavator hydraulic cylinders. Mashinostroenie no.6:55-56 N-D '64 (MIRA 18:2)

TELYUK, I.I., inzh.; DUKHOTA, A.M., inzh.

Remelting chips of aluminum alloys. Mashinostroenie no.1:55-56 '65. (MIRA 18:4)

G.

DUKHOTA, T. (gorod Kiyev).

Monthly meetings for technical study. Kinomekhanik no.5:9 My '53.
(MLRA 6:6)
(Moving-picture projection--Study and teaching)

DUKHOTA, Taras Grigorovich; LEVANDOVS'KIY, S.V., redaktor; KLIMENKO, L.I., tekhnichnyy redaktor

[School group of motion-picture operators; projection of narrow-width film] Shkil'nyi hurtok kinomekhanikov; demonstrator vuz'-koplivkovoho kino. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1957. 195 p. (MIRA 10:11)
(Motion-picture projection)

L 38362-66

ACC NR: AP6019949 (A) SOURCE CODE: UR/0323/66/000/001/0078/0082

AUTHOR: Dukhota, V. A. (Engr.); Fedoseyev, P. N. (Prof.; Dr. of Chemical Sciences)

ORG: Department of General and Analytical Chemistry, Kiev Technological Institute of the Light Industry (Kafedra obshchey i analiticheskoy khimii Kievskogo tekhnologicheskogo instituta legkoy promyshlennosti)

TITLE: Complexometric microdetermination of calcium and magnesium in clean raw hide by the "buretless titration" method

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 1, 1966, 78-82

TOPIC TAGS: calcium, magnesium, trace analysis

ABSTRACT: The authors propose a simple and rapid complexometric method for determining calcium and magnesium in clean raw hide and finished leather by using test paper instead of a buret. The paper is prepared by depositing a known volume of titrated reagent solution on filter paper of known size. Clean raw hide is analyzed for calcium, and leather is analyzed for calcium and magnesium by using paper impregnated with the chelating agent Trilon B. Triethanolamine is used to mask the small amount of iron present, and the fluorescent indicator "fluorekson" is employed in the titration. The technique is recommended for extensive applications in industrial and scientific research laboratories. Orig. art. has: 4 tables.

SUB CODE: 07/ SUBM DATE: 09Aug65/ ORIG REF: 002/ OTH REF: 002

Card 1/1 vmb

T

Country : USSR
Category: Human and Animal Physiology. Internal Secretion. Sexual Glands

Abs Jour: RZhBiol., No 19, 1958, 89095

Author : Shub, R.L.; Dukhova, A.M.
Inst : -
Title : The Effect of Vitamins C and D_1 in Combination with Folliculin on the Growth of the Uterus of Infantile Animals (Experimental Investigation)

Orig Pub: V sb. Zdravookhr. Sov. Latvii. II. Riga, 1954, 83-93

Abstract: Immature female rats were injected subcutaneously, for a period of 3 days, with folliculin (300 mouse unit) alone or together with vitamin D_1 (90 mg) or

Card : 1/2

Country : USSR
Category: Human and Animal Physiology. Internal Secretion. T
Sexual Glands

Abs Jour: RZhBiol., No 19, 1958, 89095

C (90 mg) plus D_1 (30 mg). The weight of the uterus was used as an index. D_1 and C intensified the action of folliculin.

Card : 2/2

DUKOVA, Ye.D.

Laminar evaporation spirals in crystals. Kristallografiia 6 no.3: 451-454 My-Je '61. (MIRA 14:8)

1. Institut kristallografii AN SSSR.
(Evaporation) (Crystals)

8(6) SOV/112-59-1-488

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 1, p 64 (USSR)

AUTHOR: Pollak, S. V., and Dukhova, Ye. I.

TITLE: Experience in Supplying Electric Power to the Construction Site of the Kuybyshev Hydroelectric Station

PERIODICAL: V sb.: Energ. str-vo. Vol 1, M.-L., 1958, pp 32-39

ABSTRACT: Bibliographic entry.

Card 1/1

KALASHNIKOV, M.D. (Dneprodzerzhinsk); GUBANOV, G.P. (Dneprodzerzhinsk); SHISHOVCHENKO, V.I. (Dneprodzerzhinsk)

Approximation of continuous periodic functions by arithmetic means. Izv.vys.ucheb.zav.; mat. no.5(46-73 '65.

(MIRA 18:10)

S/656/61/000/000/003/007
D244/D304

AUTHORS: Gulia, V.G., Nemkova, O.G., Byelomestnykh, V.I., and Dukhovich, F.S.

TITLE: Investigating the composition of precipitated urano-vanadates

SOURCE: Spitsyn, V.I., ed. Issledovaniya v oblasti khimii urana; sbornik statey (Moscow) 1961, 262 - 270

TEXT: The authors investigated the process of interaction between solutions of uranyl nitrate and ammonium, sodium and potassium metavanadates with the aid of potentiometric conductometric and chemical analysis. The introduction of the first 0.4 - 0.5 g atom of vanadium to 1 g atom of uranium caused the formation of a yellow precipitate, the amount of which increased with further addition of the vanadate. When the solutions were mixed in the reverse order, the first drop of uranyl nitrate caused the precipitation. It was shown that the inflections in the potentiometric and conductometric titration curves correspond to the precipitation of vanadates. The ratio of U to V in the precipitates is 1 : 3 and 1 : 4 for a) addi-

tion of uranyl nitrate to vanadate and b) vanadate to uranyl nitrate. The separation of the two types of the precipitates was found to be difficult in view of their colloidal nature. Moreover, it was observed that the mother-liquor in contact with the precipitates increased its pH from 4.7 to ca. 5.3, in 20 days. The increase was due to changes in the composition of the precipitated uranovanadates. This effect was studied for the precipitate obtained from NH_4VO_3 and $UO_2(NO_3)_2$. The precipitates were separated in a centrifuge (6000 rpm.) and analyzed after different times of standing in contact with the mother liquor. Uranium was separated from vanadium on a cation exchange resin KV-2. Uranium was then determined by a vanadometric method with the use of NH_4VO_3 and phenyl anthranilic acid as the indicator. Vanadium was determined by permanganate titration after previous reduction with gaseous H_2S. The results show that the composition of the precipitates, separated from the solutions after they have reached a constant pH, does not depend on the order in which the reagents are mixed. The ratio of U to V in such precipitates is 1 : 2 and its formula $(NH_4)_2 \cdot UO_3 \cdot V_2O_5 \cdot 5H_2O$. If Na or K vanadate is used, the composition is $Me_2O \cdot 2UO_3 \cdot 3V_2O_5 \cdot 3H_2O$

Investigating the composition of ...

where Me = Na or K. The authors demonstrated that the composition of freshly precipitated uranovanadates depends on the initial concentration of vanadium in solutions. This was carried out by titrating 10 ml of uranyl nitrate solutions (pH = 3.00) with ammonium metavanadate solutions (pH = 7.00) of different concentration. The ratio of U to V in the fresh precipitates falls with the decreasing concentration of the metavanadate in solution. However, for the equilibrated precipitates, (i.e. those left in contact with their mother-liquors) there is no dependence on the concentration and the ratio is always about 1 : 2. The authors investigated also the effect of changing pH of the origianl solutions from 1.00 to 10.00. The results show that NH_3 is present in the uranovanadates separated from the solutions having pH values of 5.00, 7.18 and 10.00. The composition of uranovanadates changes from polyvanadates to orthovanadates as the medium changes from acid to alkaline. It is also possible that a mixture of uranovanadates and ammonium uranates is precipitated from alkaline solution. There are 6 figures, 6 tables and 15 references: 7 Soviet-bloc and 8 non-Soviet-bloc. The references to the English-language publications read as follows:

Card 3/4

S/656/61/000/000/003/007
Investigating the composition of ... D244/D304

H. Britton and G. Welford, J. Chem. Soc., 1 - 6, 764, 1940; F. Hess Eng. Min. Journal, 114, 272, 1922.

Card 4/4

S/656/61/000/000/005/007
D244/D304

AUTHORS: Gulia, V.G., Nemkova, O.G., and Dukhovich, F.S.

TITLE: Study of the interaction of ammonium uranovanadate with vanadium pentoxide

SOURCE: Spitsyn, V.I., ed. Issledovaniya v oblasti khimii urana; sbornik statey (Moscow) 1961, 278 - 280

TEXT: The authors investigated the possibility of obtaining condensed uranyl vanadates by reacting uranyl vanadates (with a small ratio of V to U) with V_2O_5. A given uranovanadate was weighed into a closed vessel equipped with an electric stirrer. A quantity of water and V_2O_5 was added giving the required ratio of U to V in the product. All experiments were conducted at a constant temperature of 24°C (± 0.1°). Ammonium uranovanadate used in the reaction was obtained at pH 5.93 and had the following composition: UO_3 - 56.64 %, V_2O_5 - 28.89 %, $(NH_4)_2O$ - 3.62 % and H_2O - 10.84 %. In one series of experiments the amounts of uranovanadate and V_2O_5 taken were

Card 1/2

such as to give the ratio of U : V in the mixture of 1 : 2 respectively. In the second series it was desired to obtain $(NH_4)_2O \cdot 3UO_3 \cdot 2V_2O_5 \cdot 8H_2O$ with the U : V ratio of 1 : 3 respectively. For 30 days after initiation of an experiment small samples of the reaction mixture were taken every 5 days. The samples were analyzed by X-ray for V_2O_5 content, with an accuracy of 5 %. V_2O_5 gave good rentgenograms and clear electronograms, whilst the uranovanadates were amorphous and did not give clear lines. This difference was utilized in the present work to determine the completeness of the interaction. The results show that uranovanadates react completely with V_2O_5 in an aqueous medium. The reaction products are uranovanadates with U : V ratios equal to 1 : 2 and 1 : 3 respectively. This conclusion is confirmed by electron diffraction and chemical analyses. The authors believe that the interaction between uranovanadates and V_2O_5 takes place in solution and not in the solid phase. There are 2 figures and 2 tables.

Card 2/2

DUKHOVICH, F.S.; KULICHENKO, V.V.

Radiation stability of vitreous radioactive preparations. Atom. energ. 18 no.4:361-367 Ap '65. (MIRA 18:4)

USPENSKAYA, O.D.; DUKHOVICH, V.M.

Bacterial leaf-spot of clover. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 13 no.2:89-96 '58. (MIRA 11:9)

1. Moskovskiy gos. universitet, Kafedra nizshikh rasteniy.
(Clover--Diseases and pests) (Moscow Province--Leaf-spot)

DUKHOVICHNYY, S.M.

Dispensary treatment of rheumatic patients. Vrach.delo no.11: 120-121 N '62. (MIRA 16:2)

1. Boyarskaya rayonnaya bol'nitsa Kiyevskoy oblasti.
(RHEUMATIC FEVER)

FROL'KIS, V.V. (Kiyev); GOLOVCHENKO, S.F. (Kiyev); LUKHOVICHNYY, S.M. (Kiyev); TANIN, S.A. (Kiyev)

Functional changes in the blood circulation and respiration in the aging of the body. Klin. med. 40 no.12:87-93 D '62. (MIRA 17:2)

1. Is laboratorii fiziologii (zav. - doktor med. nauk V.V. Frol'kis) Instituta gerontologii i eksperimental'noy patologii (dir. - chlen-korrespondent AMN SSSR prof. D.F. Chebotarev) AMN SSSR.

FROL'KIS, V.V.; GOLOVCHENKO, S.F.; DUKHOVICHNYY, S.M.; MURAVOV, I.V.; TANIN, S.A.

Change in working capacity, energy expenditure, blood circulation and respiration during the aging of the organism. Vrach. delo no.3:54-59 Mr '63. (MIRA 16:4)

1. Laboratoriya fiziologii (zav. - V.V.Frol'kis) Instituta gerontologii i eksperimental'noy patologii AMN SSSR. (AGING)

ANDRIANOV, Anatoliy Nikolayevich; NUDEL'MAN, Abram Borisovich; DUKHOVLIN, D.P., inzh., retsenzent; PICHOV, N.I., inzh., retsenzent; VEKSLER, A.A., red.; SHPAK, Ye.G., tekhn.red.

[Mining and processing of potassium salts] Dobycha i pererabotka kaliinykh solei. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960. 450 p. (MIRA 13:12)
(Potassium salts)

DUKHOVLINOV, D. P.

USSR/Chemistry - Mining of raw materials

FD-515

Card 1/1 : Pub. 50-14/23

Author : Dukhovlinov, D. P.

Title : The use of dumping trucks in the quarries and open pits of chemical raw materials mining enterprises.

Periodical : Khim. prom. 302-303 (46-47), Jul/Aug 1954

Abstract : Discusses the use of dumping trucks in open pit mining. States that trucks are preferrable to railroad cars and outlines the desirable characteristics of trucks and auxiliary equipment for this type of application.

Institution : Main Administration of the Chemical Raw Materials Mining Industry [Glavgorkhimprom].

Submitted :

DUKHOVLINOV, D.P.

USSR/Chemistry - Concrete, special applications of FD-883

Card 1/1 Pub.50 - 16/24

Author : Gorbatov, P. Ye., Dukhovlinov, D. P.

Title : Experience in the application of betonite reinforcements at mining works

Periodical : Khim. prom., No 6, 372-373 (52-53), Sep 1954

Abstract : Experience in the use of betonite reinforcements at the Alekseyevsk sulfur mine is described (betonites and concrete mixes composed of cement, rubble, and sand or cement, sand, and lime).

Institution : Main Administration of the Chemical Raw Materials Mining Industry ("Glavgorkhimprom")

Submitted :

DUKHOVLINOV, D. P.

USSR/Chemistry - Raw materials

FD-1797

Card 1/1 Pub 50-1/19

Author : Degtyarev, A. N. and Dukhovlinov, D. P.

Title : The prospects of developing open-pit mining of chemical raw materials

Periodical : Khim. prom. No 2, pp- 65-67 (1-3), Mar 1955

Abstract : Describe the advantages of open-pit mining, which is predominantly used in the case of phosphorites, and cutline the possibilities and technical aspects of its expansion to the potassium salts, raw materials containing sulfur, etc.

Institution: State Institute of Mined Chemical Raw Materials and Main Administration of Mined Chemical Raw Materials (Glavgorkhimprom).

DUKHOVLINOV, D.P., gornyy inzhener

The use of dump-trucks on quarries. Gor.zhur. no.5:34-36 My '55.
(Inderoborski--Dump trucks) (MLRA 8:7)

ANDREICHEV, A.N.; DUKHOVLINOV, D.P.

Achievements by innovators in mining for the chemical industry.
Gor.zhur. no.9:3-8 S '55. (MLRA 8:8)
(Mining engineering)

Dukhovlikov, D.P.

DUKHOVLIKOV, D.P.

Mechanization of operations in potash mines in the German Democratic Republic. Khim. prom. no.6:377-381 S '57.
(MIRA 11:1)
(Germany, East--Potash industry)
(Mining machinery)

LUKHOVLINOV, D.P., gornyy inzhener.

Practices of boring and blasting in potassium mines in the German Democratic Republic. Gor.zhur. no.9:44-46 S '57. (MLRA 10:9)
(Germany, East--Potash industry) (Mining engineering)

DUKHOVLINOV, D.P., insh.

Mechanizing operations in potash mines in the German Democratic Republic. Mekh.trud.rab. 11 no.6:43-45 Je '57. (MIRA 10:11)
(Germany, East--Potash industry) (Mining machinery)

Dukhovlinov, D.P.

118-58-4-6/23

AUTHORS: Dukhovlinov, D.P. and Bondarev, K.D., Engineers

TITLE: The Breaking of Potassium Salt by Boring Deep Holes (Otboyka kaliynoy soli glubokimi skvazhinami)

PERIODICAL: Mekhanizatsiya Trudoyëmkikh i Tyazhëlykh Rabot, 1958, Nr 4, pp 15-16 (USSR)

ABSTRACT: The authors give a detailed description of a new technique introduced at the Stebnikovsk Potassium Salt Deposits. In general it consists of sub-level mining, in which minerals are crushed by blasting deep fan-shaped holes. The new method is less dangerous and increases a miner's productivity by 25%. There are 4 schematic drawings.

AVAILABLE: Library of Congress

Card 1/1 1. Mining engineering-Applications 2. Mines-Production methods 3. Potassium salts-Production

DUKHOVNAYA, G.N.

Tonsillectomy in singers. Zhur.ush., nos.i gorl.bol. 21 no.6:35-37 N-D '61. (MIRA 15:11)

1. Iz foniatricheskogo kabineta Kiyevskoy gosudarstvennoy ordena Lenina konservatorii imeni P.I.Chaykovskogo.
(TONSILS—SURGERY)
(SINGERS—DISEASES AND HYGIENE)

DUKHOVNAYA, M.

What type of equipment is needed for the projection of educational motion pictures. Tekh.kino i telev. 4 no.10:71-72 O'60. (MIRA 13:10)

1. Luganskiy gosudarstvennyy pedagogicheskiy institut.
(Motion-picture projection) (Motion pictures in education)

ZAKHAROVA, Ye.A.; NAZAROVA, I.N.; DUKHOVNAYA, O.L.

Correlations of indexes of circulatory function and the central nervous system in hypertension patients. Vop. kur., fizioter. i lech. fiz. kul't. 24 no. 4:289-295 Jl-Ag '59. (MIRA 13:8)

1. Iz laboratorii funktsional'nykh issledovaniy i terapevticheskoy kliniki Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - chlen-korrespondent AMN SSSR porf. A.N. Obrosov).
(HYPERTENSION) (NERVOUS SYSTEM)

DUKHOVNAYA, O.L.

Significance of an examination of serum glycoproteins in the detection of rheumatic processes. Terap. arkh. 32 no. 2:10-15 F '60. (MIRA 14:1)

(RHEUMATIC FEVER) (GLYCOPROTEIN)

DUKHOVNAYA, O.L.

Significance of a comprehensive examination of proteins, glycoproteins and mucopolysaccharides in rheumatic fever. Vop.revm. 1 no.3:45-52 Jl-S '61. (MIRA 16:4)

1. Is kafedry vrachebno-trudovoy ekspertizy (zav. - prof. O.I. Sokol'nikov) TSentral'nogo instituta usovershenstvovaniya vrachey i terapevticheskoy kliniki (zav. - prof. L.I.Fogel'son) TSentral'nogo instituta ekspertizy trudosposobnosti invalidov.
(RHEUMATIC FEVER) (BLOOD PROTEINS) (POLYSACCHARIDES)

DUKHOVNAYA, O.L.

Work capacity and indications for the organization of work torpid and latent rheumatic fever cases. Sov.med. 25 no.5:106-112 My '62. (MIRA 15:8)

1. Iz kafedry vrachebno-trudovoy ekspertizy TSentral'nogo instituta usovershenstvovaniya vrachey (zav. - prof. O.I.Sokol'nikov) i terapevticheskoy kliniki TSentral'nogo nauchno-issledovatel'skogo instituta ekspertizy trudosposobnosti i organizatsii truda invalidov (zav. - prof. L.I.Fogel'son).

(DISABILITY EVALUATION) (RHEUMATIC HEART DISEASE)

SOKOL'NIKOV, O.I.; ARBATSKAYA, Yu.D.; DUKHOVNAYA, O.L.

Prophylactic significance of rational rehabilitation in sluggish and latent rheumatic fever. Vop.revm. 2 no.3:65-69 Jl-S '62. (MIRA 16:2)

1. Iz kafedry vrachebno-trudovoy ekspertizy (zav. - prof. I.I. Sokol'nikov) Tsentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D. Kovrigina), Moskva.

(RHEUMATIC FEVER) (OCCUPATIONAL THERAPY)

DUKHOVNAYA, S.A., KOSENKO, Ye.D.

Interrepublic conference of psychiatrists and neuropathologists of Kazakhstan and the Central Asian republics. Zdrav. Kazakh. 17 no.12:63-64 '57. (MIRA 12:6)
(NEUROPSYCHIATRY--CONGRESSES)

GROMOV, N.K., red.; DUKHOVNAYA, S.M., red.; FRIDKIN, L.M., tekhn. red.

[Single-pipe systems of heat distribution networks] Odnotrubnye sistemy teplovykh setei; sbornik statei. Moskva, Gosenergoizdat, 1962. 207 p. (MIRA 15:5)
(Heating from control stations)

DUKHOVNER, Arkadiy Naumovich; AFANAS'YEV, B.P., kand. tekhn. nauk, dots., nauchn. red.; VOL'PE, L., red.

[Theoretical principles of radio engineering] Teoreticheskie osnovy radiotekhniki. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t. Pt.2. [Manual on laboratory work] Posobie k laboratornym rabotam. 1963. 86 p.
(MIRA 17:4)

DUKHOVNIKOV, IURDAN

Gorska taksatsiia. Sofiia, Zemizdat, 1952 379 p. (Universitetska literatura)
(Forest mensuration; a university textbook) DA NOT IN DLC.

Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol 7 no 1 Jan 1958

DUKHOVNIKOV, IU.

"The Selection of Trees with the Aid of Sorting Tables." p.15
(GORSKO STOPANSTVO Vol. 9, no. 1, Jan. 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

DUKHOVNIKOV, IU.; ILIEV, A.

"Utilizing the Table for Grading and Selecting Forest Trees." p. 467. (GORSKO STOPANSTVO, Vol. 9, no. 10, Dec. 1953. Sofiya, Bulgaria.)

SO: Monthly List of East European Accessions, L[illegible], Vol. 3, No. 5, May 1954/Unclassified

DUKHOVNIKOV, IU

"Marking trees in the lumbering area with a control mark instead of with the Geler numbering machine" (p.25) GORSKO STOPANSTVO
(Upravlenie Na Gorskoto Stopanstvo Kum Ministerskiia Suvet) Sofiya Vol 10 No 1 Jan 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

DUKHOVNIKOV, I.U

DUKHOVNIKOV, IU.

"Impressions of Forests and Forest Industries in North Korea", P. 403. (GORSKO STOPANSTVO, Vol. 10, No. 9, Nov. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

DUKHOVNIKOV, IU.

DUKHOVNIKOV, IU.; BIOLCHEV, A.

"Poplar Trees", P. 408. (GORSKO STOPANSTVO, Vol. 10, No. 9, Nov. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

DUKHOVNIKOV, IU.

DUKHOVNIKOV, IU. Experimental assortment tables for spruce stands in our country p. 31.

Vol. 4, 1956.
NAUCHNI TRUDOVE
AGRICULTURE
Sofiia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

DUKHOVNIKOV, IUR

Gorskopromishlena taksatsiia. Sofiia, Zemizdat, 1957. 204 p. BULGARIA

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

DUKHOVNIKOV, IU.

AGRICULTURE

Periodical: NAUCHNI TRUDOVE. Vol. 5, 1957.

DUKHOVNIKOV, IU. Experimental grading tables for the white pine in Bulgaria. p. 67.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2 February 1959, unclass.

DUKHOVNIKOV, IU.; ILIEV, A.

AGRICULTURE

Periodical: NAUCHNI TRUDOVE. Vol. 5, 1957.

DUKHOVNIKOV, IU.; ILIEV, A. Study on the dimension of the grades of thickness and the distance between the sections of the height, and their significance for precision in the cubical measuring and sorting of coniferous trees. p. 85.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2 February 1959, unclass.

DUKHOVNIKOV, IU.

New indicators of the fully developed stems and possibilities for determining them on standing trees. p. 49.

NAUCHNI TRUDOVE. Vissh lesotekhnicheski institut. Sofiia, Bulgaria, Vol. 6, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1960.

Uncl.

DUKHOVNIKOVA, I.A.

SUBMITTED: December 7, 1957

SOV/109-3-3-22/25

AUTHORS: Golubkov, P.V. and Tsimring, Sh. Ye.

TITLE: The Second All-Union Conference on Radioelectronics of the Ministry of Higher Education of the USSR (Vtoraya vsesoyusnaya konferentsiya MVO SSSR po radioelektronike) - News Item

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 3, pp 440 - 444 (USSR)

ABSTRACT: The conference took place during September 23 - 29, 1957, at Saratovskiy gosudarstvennyy universitet imeni N.G. Chernyshevskogo (Saratov State University imeni N.G. Chernyshevskiy). Apart from the universities, the conference was attended by the representatives of some scientific research institutes of the Soviet and Ukrainian Academies of Science, various industrial establishments and the interested ministries. This arrangement stimulated the discussion and evaluation of the papers presented and permitted the determination of plans for the future research to be carried out by the universities in the field of radioelectronics.

Card1/16

A.I. Shtyrev proposed (and proved by means of the "self" reciprocity theorem) an interference method of the investigation of delay systems. The method permits the measurement of electrical non-homogeneities of delay systems, gives a high accuracy and requires comparatively little effort. The paper "Production of Periodic Structures by Means of Ultrasonics" by Ye.M. Garshenson was devoted to the experimental investigations of an interesting modification of a periodic structure, i.e. a regular waveguide filled with a liquid in which an ultrasonic standing wave was excited. V.P. Sazonov described the results of an investigation of the distribution of electric fields in a number of important delay systems (combs, stub systems, etc.) by means of two methods (probes with a high-resistance input) and small perturbing objects). The author also obtained the distributions of tangential components of the electric fields along certain boundary surfaces, which are of considerable interest. In a number of cases, the author also measured the coupling impedance. Some of the lectures were devoted to the problems of diffraction

Card7/16 which are important in the analysis of the directional patterns of antennae. Here one should mention the papers by Ye.N. Vasil'yev and S.M. Verevkin, dealing with the excitation of the solids of revolution. The analysis of the oscillations in Π-type and toroidal volume resonators and in Π-type and cross-shaped waveguides was given in the papers by V.L. Patrushev and V.M. Sedykh, respectively. A number of the papers in the Electrodynamics Section dealt with the complex phenomena appearing at the junctions of waveguides. Here, it is necessary to mention the papers: "The Calculation of Junctions" by Ya.N. Turever; "The Problem of Construction of Certain Wideband Matching Devices" by Ye.V. Anisimov and V.D. Luchinin and "Measurement of the Parameters of the Energy Outputs in U.H.F. Devices by Means of a Symmetrical Transformer" by I.A. Dukhovnikova and M.M. Rayner. The behaviour of various substances in electromagnetic fields at U.H.F. was discussed in the papers of O.V. Karpova, U.F. Rodin, I.A. Shekhtman, A.I. Pilshchikov, A.L. Levinson, N.S. Sedletskaya and A.A. Kuznetsov.

The paper of N.G. Basov and his collaborators described the principle of operation of a molecular clock having an accuracy of 10^{-9}. The results of a theoretical investigation of the molecular radiation in high-frequency fields were given in the papers of V.M. Fayn, entitled "Radiation of the Molecules in Strong High-frequency Fields" and "The Spontaneous Radiation of Molecules at Ultra-high Frequencies". In the second of the above papers, the author came to the conclusion that the width of the spectral line of the spontaneous radiation at U.H.F. is finite. The author also proposed a classical analogy for the phenomenon of coherence in the spontaneous radiation.

CARD (9/16)

6(4) SOV/142-58-6-2/20

AUTHORS: Rayner, M.M., and Dukhovnikova, I.A.

TITLE: Measurement of the Parameters of the Energy Lead-offs of VHF Instruments by Means of a Balanced Transformer (Izmereniye parametrov vyvodov energii SVCh priborov metodom simmetrichnogo transformatora)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Radiotekhnika, 1958, Nr 6, pp 647-652 (USSR)

ABSTRACT: One of the problems, arising in connection with VHF energy lead-offs, is that of creating a matching transfer between lines of standard cross-section, leading to the load, and lines, joined to a generator, which, as a rule, are of non-standard cross-section, which complicates measurement of the necessary parameters. The article proposes a method of measuring the parameters of the energy lead-offs of VHF instruments without the use of apparatus of non-standard cross-section. Direct investigation of energy lead-offs is replaced by study of a balanced device (Figure 1), formed of two identical lead-offs

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Measurement of the Parameters of the Energy Lead-offs of VHF Instruments by Means of a Balanced Transformer

of non-standard cross-section, the ends of which are joined, and of a system which is formed of this transformer by means of simple alterations performed on it. The parameters of such a balanced transformer - two in all - are easily measured. A half of this balanced transformer is defined by three parameters, though but one of them is considered of prime importance, the parameter y - important as a measure of the quality of the match obtained. Determination of the characteristics of a half of the balanced transformer is accomplished through a further experiment, two variants of which are described by the authors in two supplements to the article, as well as in the main text. In the first variant the parameters of a new balanced transformer, formed by adding a segment of non-standard cross-section to the old one, are measured. The second variant is for the case where it is un-

Measurement of the Parameters of the Energy Lead-offs of VHF Instruments by Means of a Balanced Transformer

desirable or impossible to add a section to the existing transformer, in which case the "new" transformer is made as a single, whole unit. The quantity y is determined with the aid of a simple diagram (Figure 3). A third supplement, dealing with determination of the parameters of the balanced transformer, presents an S-curve for the transformer (Figure 6), and an expression establishing the connection between parameters of the equivalent circuit of the transformer and its measured parameters. This article was recommended by the Vtoraya vsesoyuznaya konferentsiya MVO SSSR po radioelektronike (The Second All-Union Conference of the MVO of the USSR on Radioelectronics). There are 6 diagrams and 1 Soviet reference.

SUBMITTED: December 2, 1957 (initially)
March 24, 1958 (after revision)

DUKHOVNIKOVA, L.M.K.

25295 DUKHOVNIKOVA, L.M.K. Voprosy OB Izmeneniyakh V Nervnoy Sisteme Pri Ostroy Mieloidnoy Leykemii. Soobshch. I. Nevropatologiya I Psikhiatriya, 1949 No. 4, S. 34037

SO: Letopis' No. 33, 1949

DUKHOVNIKOVA, L.M.

Modifications of the nervous system in acute myelogenic leukemia. Nevropat.psikhiat., Moskva 19 no.2:47-52 Mr-Ap '50. (CLML 19:3)

1. Of the Division of Nervous Diseases (Head -- Prof. V.V.Mikheyev) of Sokolinnaya Gora Clinical Hospital (Head Physician -- D.T.Titenkov, Candidate Medical Sciences).

DUKHOVNIKOVA, L.M.

MIKHEYEV, V.V., professor, zavedmyushchiy; DUKHOVNIKOVA, L.M.

Cerebral insultus and pneumonia; central origin of pneumonia. Klin.med. 31 no.9:56-59 S '53. (MLRA 6:11)

1. Kafedra nervnykh bolezney Moskovskogo meditsinskogo stomatologicheskogo instituta. (Pneumonia) (Brain--Diseases)

DUKHOVNIKOVA, L.M.

Restoration of destroyed functions and regeneration of conductor nerves in trauma of the spinal cord. Sov.med. 20 no.11:65-68 N '56. (MLRA 10:11)

1. Iz kliniki nervnykh bolezney (zav. kafedroy - prof. V.V.Mikheyev) Moskovskogo med. stomatologicheskogo instituta

(SPINAL CORD, wounds and inj.
regeneration of nerve tissue)
(REGENERATION
of nerve tissue after trauma of spinal cord)

DUKHOVNIKOVA, L.M.

Compensatory role of the cerebral cortex in tumors of the brain stem. Zhur. nevr. i psikh. 56 no.3:211-217 '56 (MLRA 9:7)

1. Klinika nervnykh bolezney (zav. kafedroy-prof. V.V. Mikheyev) Moskovskogo meditsinskogo stomatologicheskogo instituta.

(BRAIN STEM, neoplasms,
cerebrocortical compensatory funct. (Rus))
(CEREBRAL CORTEX, physiology
compensatory funct. in tumors of brain stem (Rus))

MIKHEYEV, V.V.; DUKHOVNIKOVA, L.M.; NEVZOROVA, T.A.

Collagen diseases in neurological and psychiatric clinical practice. Zhur. nevr. i psikh. 60 no.3:257-261 '60. (MIRA 14:5)

1. Nervnaya klinika (zav. kafedroy - prof. V.V.Mikheyev) Moskovskogo meditsinskogo stomatologicheskogo instituta i psikhiatricheskaya klinika imeni S.S.Korsakova (zav.kafedroy - prof. Ye.A.Popov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(COLLAGEN DISEASES) (NERVOUS SYSTEM--DISEASES)